

CDPH&E Compliance Order

2018 Permit Permit Number CO0021440

- In order to meet Total Inorganic Nitrogen and Total Phosphorous final limits, the schedule for compliance is included in the permit.
- Complete construction of facilities or other appropriate actions, which will allow the permittee to meet the final limitations.
 - January 31, 2023

20-Year Capital (current Dollars)

More No print More No pri							1						
2021 Engineer Design / Permitting \$ 1,750,000.00 \$ 12,899,441.00 New UV 100 8,700 1.52 \$ 950,000.00 70gpd									Additional		Flow		
Permitting \$1,750,000.00 \$12,899,441.00 New UV 100 8,700 1.52 \$ 95,000.00 70gpd		-			WWTP Upgrade				Homes	Population	(MGD)	PIF	
Metro Tap fee Buy \$19,310,094.00 Abtain effluent limits Train 2 Train 12 Train 12 Train 13 Tra		2021	Engineer Design /				ı	Move outfall					2.9 pop/DU @
Metro Tap fee Buy			Permitting	\$ 1,750,000.00		\$ 12,899,441.00	1	New UV	100	8,700	1.52	\$ 950,000.00	70gpd
Lift Station / Pipelii \$22,370,400.00 equipment \$7,369,000.00 New dewater 400 10,730 1.66 \$3,800,000.00 2026		2022			Obtain effluent limits		1	Train 2					
Lift Station / Pipelli \$22,370,400.00 equipment \$7,369,000.00 New dewater 400 10,730 1.66 \$3,800,000.00 2025 500 12,180 1.76 \$4,750,000.00 2026 800 13,195 1.81 \$3,335,000.00 2027 300 14,645 1.94 \$2,850,000.00 2028 800 Existing Capacity 2.20 300 15,515 2.00 \$2,850,000.00 2030 300 15,515 2.00 \$2,850,000.00 2031 800 Existing Capacity 2.20 300 15,515 2.00 \$2,850,000.00 2033 800 13,195 1.81 \$1,285 1,200,000.00 2034 800 Existing Capacity 2.20 300 18,950 2.24 \$2,850,000.00 2035 800 10,855 2.25 \$2,850,000.00 2036 800 800 800 800 800 800 800 2037 800 800 800 800 800 800 800 800 2038 800 800 800 800 800 800 800 800 2039 2030 800 800 800 800 800 800 800 2030 2030 800 800 800 800 800 800 800 2030 800 800 800 800 800 800 800 800 800 2030 800 800 800 800 800 800 800 800 2030 800 800 800 800 800 800 800 800 2030 800 800 800 800 800 800 800 800 2030 800 800 800 800 800 800 2030 800 800 800 800 800 800 2030			Metro Tap fee Buy-	\$ 19,310,094.00	/ obtain redundancy	\$ 18,916,000.00	3.5	New headworks	300	9,570	1.58	\$ 2,850,000.00	
2024		2023			Rehabilitate original		1	Train 1 Rehab/					
2025 2026 2027 2028 2029 2030 2030 2030 2031 2031 2032 2032 2032			Lift Station / Pipeli	\$ 22,370,400.00	equipment	\$ 7,369,000.00	1	New dewater	400	10,730	1.66	\$ 3,800,000.00	
2006 2007 2008 2009		2024							500	12,180	1.76	\$ 4,750,000.00	
2027 2028		2025							350	13,195	1.83	\$ 3,325,000.00	
2028		2026						*	200	13,775	1.88	\$ 1,900,000.00	\$ 17,575,000.00
2029 2030 2031 2032 2032 2033 2034 2035 2036 2037 2038 2039 2039 2039 2039 2039 2039 2039 2039		2027							300	14,645	1.94	\$ 2,850,000.00	
2030 80% Existing Capacity 2.20 300 17,255 2.12 \$ 2,850,000.00 2031		2028							300	15,515	2.00	\$ 2,850,000.00	
2031 80% Existing Capacity 2.20 300 18,125 2.18 \$ 2,850,000.00 2032 300 18,995 2.24 \$ 2,850,000.00 300 18,995 2.24 \$ 2,850,000.00 300 19,865 2.30 \$ 2,850,000.00 300 20,735 2.36 \$ 2,850,000.00 300 20,735 2.36 \$ 2,850,000.00 300 20,735 2.36 \$ 2,850,000.00 300 22,475 2.48 \$ 2,850,000.00 300 23,345 2.55 \$ 2,850,000.00 300 23,345 2.55 \$ 2,850,000.00 300 23,345 2.55 \$ 2,850,000.00 300 23,345 2.55 \$ 2,850,000.00 300 23,345 2.55 \$ 2,850,000.00 300 23,345 2.55 \$ 2,850,000.00 300 23,345 2.55 \$ 2,850,000.00 300 25,955 2.73 \$ 2,850,000.00 300 25,955 2.73 \$ 2,850,000.00 300 25,955 2.73 \$ 2,850,000.00 300 26,825 2.79 \$ 2,850,000.00 300 27,695 2.85 \$ 2,850,000.00 300 27,695 2.85 \$ 2,850,000.00 300 29,435 2.97 \$ 2,850,000.00 300 30,305 3.03 \$ 2,850,000.00 300 30,305 3.03 \$ 2,850,000.00 300 30,305 3.03 \$ 2,850,000.00 300 30,305 3.03 \$ 2,850,000.00 300 30,305 3.03 \$ 2,850,000.00 300 30,305 3.03 \$ 2,850,000.00 300 30,305 3.03 \$ 2,850,000.00 300 30,305 3.03 \$ 2,850,000.00 300 30,305 3.03 \$ 2,850,000.00 300 30,305 3.03 \$ 2,850,000.00 300 30,305 3.03 \$ 2,850,000.00 300 30,305 3.03 \$ 2,850,000.00 300 30,305 3.03 \$ 3,850,000.00 300 30,305 3.03 \$ 3,850,000.00 300 30,305 3.03 \$ 3,850,000.00 300 30,305 3.03 \$ 3,850,000.00 300 30,305 3.03 \$ 3,850,000.00 300 30,305 3.03 \$ 3,850,000.00 300 30,305 3.03 \$ 3,850,000.00 300 30,305 3.03 \$ 3,850,000.00 300 30,305 3.03 \$ 3,850,000.00 300 30,305 3.03 \$ 3,850,000.00 300 30,305 3.03 \$ 3,850,000.00 300 30,305 3.03 \$ 3,850,000.00 300 30,305 30,305 30,305 30,305 300 30,305 30,305 30,305 30,305 300 30,305 30,305 3		2029							300	16,385	2.06	\$ 2,850,000.00	
2032 300 18,995 2.24 \$ 2,850,000.00		2030							300	17,255	2.12	\$ 2,850,000.00	
2033 2034 2034 2035 2036 2037 2037 2038 2039 2040 2041 2041 2041 2042 2042 2042 2043 2044 2045 Permit cycle Metro Tap fees \$ 47,430,494.00 \$ 79,052,994.00 Existing Population Initial Cap Pop Bermit Cap		2031			80% Existing Capacity		2.20		300	18,125	2.18	\$ 2,850,000.00	
2034 2035 2036 2037 2038 2039 2040 2041 2041 2042 2041 2042 2042 2042		2032							300	18,995	2.24	\$ 2,850,000.00	
2035 2036 2037 2038 2039 2040 2041 2042 2042 2042 2043 Lift Station R&R \$ 4,000,000.00 2044 2045 Permit cycle Metro Tap fees \$ 47,430,494.00 \$ 79,052,994.00 Existing Population Initial Cap Pop Initial Cap Pop \$ 4,000 \$ 60,610 Box 21,605 21,42 \$ 2,285,000.00 300 22,475 24,48 \$ 2,285,000.00 300 22,475 24,48 \$ 2,285,000.00 300 22,475 24,85 \$ 2,850,000.00 300 25,955 273 \$ 2,850,000.00 300 25,955 273 \$ 2,850,000.00 300 26,825 279 \$ 2,850,000.00 300 28,565 291 \$ 2,850,000.00 \$ 2,9435 297 \$ 2,850,000.00 \$ 2,9435 297 \$ 2,850,000.00 \$ 51,725,000.00 \$ 510,000,000.00 \$ 51,725,000.00 \$ 51,7		2033							300	19,865	2.30	\$ 2,850,000.00	
2036 300 22,475 2.48 \$ 2,850,000.00		2034				\$12,000,000.00	F	Reg 31	300	20,735	2.36	\$ 2,850,000.00	\$ 40,375,000.00
2037 2038 2039 2040 2040 2041 2041 2042 2042 2043 Lift Station R&R \$ 4,000,000.00 2044 2045 2046 2046 2047 2048 2048 2049 2048 2049 2049 2040 2040 2040 2041 2042 2041 2042 2043 Lift Station R&R \$ 4,000,000.00 2044 2045 2046 2047 2048 2048 2049 2049 2049 2049 2040 2040 2041 2040 2041 2040 2041 2041		2035							300	21,605	2.42	\$ 2,850,000.00	
2038 2039 2040 2041 2041 2042 2043 Lift Station R&R \$ 4,000,000.00 R&R Train 1 &2 \$ 14,738,000.00 \$ 29,435 2.97 \$ 2,850,000.00 \$ 2044 2044 2045 Permit cycle Metro Tap fees \$ 47,430,494.00 \$ 79,052,994.00 \$ 79,052,994.00 \$ 89,922,441.00 \$ 89,922,441.00 \$ 89,922,441.00 \$ 80,610 \$ 10,450 \$ 4.96 \$ \$ 4.96		2036							300	22,475	2.48	\$ 2,850,000.00	
2039 2040 2041 2042 2042 2043 Lift Station R&R \$ 4,000,000.00 R&R Train 1 &2 \$ 14,738,000.00 \$ 224,000,000.00 \$ 24,000,000.00 \$ 24,000,000.00 \$ 24,000,000.00 \$ 24,000,000.00 \$ 24,000,000.00 \$ 24,000,000.00 \$ 24,000,000.00 \$ 24,000,000.00 \$ 24,000,000.00 \$ 24,000,000.00 \$ 24,000,000.00 \$ 20,435 \$ 2.97 \$ 2,850,000.00 \$ 68,875,000.00 \$ 20,435 \$ 2.97 \$ 2,850,000.00 \$ 68,875,000.00 \$ 20,435 \$ 2.97 \$ 2,850,000.00 \$ 20,435 \$ 2,850,000.00 \$ 20,435 \$ 2,850,000.00 \$ 20,435 \$ 2,850,000.00 \$ 20,435 \$ 2,850,000.00 \$ 20,435 \$ 2,850,000.00 \$ 20,435 \$ 2,850,000.00 \$ 20,435 \$ 2,850,000.00 \$ 20,435 \$ 2,850,000.00 \$ 20,435 \$ 2,850,000.00 \$ 20,435 \$ 2,850,000.00 \$ 20,435 \$ 2,850,000.00 \$ 20,435 \$ 2,850,000.00 \$ 20,435 \$ 2,8		2037							300	23,345	2.55	\$ 2,850,000.00	
2040 80% Capacity 2.80 300 25,955 2.73 \$ 2,850,000.00		2038							300	24,215	2.61	\$ 2,850,000.00	
2041 2042 300 26,825 2.79 \$ 2,850,000.00		2039							300	25,085	2.67	\$ 2,850,000.00	
2042 2043 Lift Station R&R \$ 4,000,000.00 R&R Train 1 &2 \$ 14,738,000.00 \$ 300 28,565 2.91 \$ 2,850,000.00 \$ 2,2600,000.00 \$ 2044 2045 Permit cycle \$ 47,430,494.00 \$ 24,000,000.00 \$ 24,000,000.00 \$ 300 30,305 3.03 \$ 2,850,000.00 \$ 300 30,305 \$ 3.03 \$ 2,850,000.00 \$ 300 30,305 \$ 3.03 \$ 2,850,000.00 \$ 300 30,305 \$ 3.03 \$ 2,850,000.00 \$ 300 30,305 \$ 3.03 \$ 2,850,000.00 \$ 300,305 \$ 3.03 \$ 2,850,000.00 \$ 300,305 \$ 3.03 \$ 2,850,000.00 \$ 300,305 \$ 3.03 \$ 2,850,000.00 \$ 300,305 \$ 3.03 \$ 2,850,000.00 \$ 300,305 \$ 3.03 \$ 2,850,000.00 \$ 300,305 \$ 3.03 \$ 2,850,000.00 \$ 300,305 \$ 3.03 \$ 2,850,000.00 \$ 300,305 \$ 3.03 \$ 2,850,000.00 \$ 300,305 \$ 3.03 \$ 3,000,000.00 \$ 300,305		2040							300	25,955	2.73	\$ 2,850,000.00	
2044 Lift Station R&R \$ 4,000,000.00 R&R Train 1 &2 \$ 14,738,000.00 \$ 300 28,565 2.91 \$ 2,850,000.00 \$ 24,000,000.00 \$ 24,000,000.00 \$ 6.20 Third train 300 29,435 2.97 \$ 2,850,000.00 \$ 68,875,000.00 \$ 24,000,000.00 \$ 30,305 3.03 \$ 2,850,000.00 \$ 68,875,000.00 \$ 68,875,000.00 \$ 68,875,000.00 \$ 68,875,000.00 \$ 68,875,000.00 \$ 68,875,000.00 \$ 68,875,000.00 \$ 68,875,000.00 \$ 68,875,000.00 \$ 68,875,000.00 \$ 68,875,000.00 \$ 68,875,000.00 \$ 68,875,000.00 \$ 68,875,000.00 \$ 68,875,000.00 \$ 7550 \$ 71,725,000.00 \$ 7550 \$ 71,725,000.00 \$ 10,000,000.00 \$ 89,922,441.00 \$ 89,922,441.00 \$ 89,922,441.00 \$ 89,922,441.00 \$ 81,725,000		2041			80% Capacity		2.80		300	26,825	2.79	\$ 2,850,000.00	
\$24,000,000.00 6.20 Third train 300 29,435 2.97 \$2,850,000.00 \$68,875,000.00		2042							300	27,695	2.85	\$ 2,850,000.00	
2045 Permit cycle \$47,430,494.00		2043	Lift Station R&R	\$ 4,000,000.00	R&R Train 1 &2	\$ 14,738,000.00			300	28,565	2.91	\$ 2,850,000.00	
Permit cycle \$47,430,494.00 Potential Partnerships \$71,725,000.00 \$79,052,994.00 \$89,922,441.00 Existing Population 8,410 \$81,725,000.00 \$81,725,000.00 Initial Cap Pop 30,305 * Indicates current back log of development potential Population 60,610 10,450 4.96		2044				\$ 24,000,000.00	6.20	Third train	300	29,435	2.97	\$ 2,850,000.00	\$ 68,875,000.00
Metro Tap fees \$ 31,622,500.00 Potential Partnerships \$ 10,000,000.00 \$ 79,052,994.00 \$ 89,922,441.00 \$ 81,725,000.00 Existing Population Initial Cap Pop 30,305 * Indicates current back log of development potential Population 60,610 10,450 4.96		2045							300	30,305	3.03	\$ 2,850,000.00	
Metro Tap fees \$ 31,622,500.00 Potential Partnerships \$ 10,000,000.00 \$ 79,052,994.00 \$ 89,922,441.00 \$ 81,725,000.00 Existing Population Initial Cap Pop 30,305 * Indicates current back log of development potential Population 60,610 10,450 4.96													
\$ 79,052,994.00 \$ 89,922,441.00	Pern	nit cyc	le						7550			\$ 71,725,000.00	
Existing Population 8,410 \$81,725,000.00 Initial Cap Pop 30,305 * Indicates current back log of development potential Population 60,610 10,450 4.96			Metro Tap fees	\$ 31,622,500.00			I	Potential Partner	rships			\$ 10,000,000.00	
Initial Cap Pop 30,305 * Indicates current back log of development potential Population 60,610 10,450 4.96				\$ 79,052,994.00		\$89,922,441.00							
Initial Cap Pop 30,305 * Indicates current back log of development potential Population 60,610 10,450 4.96													
Population 60,610 10,450 4.96					Existing Population	8,410						\$81,725,000.00	
					Initial Cap Pop	30,305		*	Indicates curre	ent back log	of develo	oment potential	
taps					Population	60,610			10,450		4.96		
									taps				

- Initial Cost
 - \$ 38 M \$ 42 M

20-Yr System Cost\$ 90 M

- O&M Cost
 - **\$ 1,057,653.00**

(2021 Budget)

- Initial Cost
 - □ \$ 39 M \$ 45 M

20-Yr System Cost\$ 82 M

- O&M Cost
 - **\$ 1,315,900.00**

(est)

PROS

- Known project timeline
- City Control of WWTP services

\$1,500,000 alreadyspent for Designengineering and permits

PROS

Regulation risk transfer to METRO

Economy of scale

Pretreatment program

CONS

Unknown future regulation upgrades

Future upgrades and ongoingMaintenance

CONS

- Will require extension of compliance schedule with CDPH&E
- ROW Acquisition challenges for pipeline easement
- Maintenance / Risk Exposure8-mile pipeline
- Water Court required for discharge location

Questions

Concerns

Clarifications